



**GLADWIN FOREST MANAGEMENT UNIT
COMPARTMENT REVIEW PRESENTATION**

COMPARTMENT # 33 ENTRY YEAR: 2004

Compartment Acreage: 1432 County: Gladwin

Revision Date: 06-04-2002

Final version as per compartment review 09/26/2002

Stand Examiner: Bill Horton

Legal Description: T20N R1E Sections 24 and 25
T20N R2E Sections 16,18, 19 and 30

RMU (if applicable):

Management Goals: Maintain aspen, pine and lowland hardwood types for timber production and wildlife habitat.

Soil and Topography: Compartment is typical east Gladwin County that is poorly drained, and mostly level. Common soil types are Chelsea-Rubicon association, Iosco-Au Gres-Ingalls association and Rubicon-Ocqueoc-Ingalls association.

Ownership Patterns, Development, and Land Use in and Around the Compartment: Scattered state ownership with private ownership in between. Compartment lies between upper stretches of Middle and East Branch of the Tittabawassee River. Several cabins and homes in subdivision in west half of section 25 and also south of section 30.

Unique, Natural Features (include only non-site specific and non-sensitive information): None.

Archeological, Historical, and Cultural Features (include only non-site specific and non-sensitive information): None

Special Management Designations or Considerations: None

Watershed and Fisheries Considerations:

Wildlife Habitat Considerations:

Wildlife Habitat Considerations: This compartment is located at the north edge of a belt of state land (in northeast Gladwin County) that extends to the south nearly the full length of the county and becomes quite fragmented with interfacing private ownership to the west. It lies within a LTA four digit code description of 6-1-3-1. This translates to a Lake Plain - flat plain - somewhat poorly to poorly drained - sand or loamy sand (SUB-SUBSECTION VII.1.1: STANDISH of Albert's Regional landscape Ecosystems - 1999). "The sub-subsection is characterized by glacial lake plain occurring in a mosaic of large, poorly drained basins and extensive droughty plains. A difference of only a few feet of elevation often separates poorly drained areas from droughty areas". In pre-settlement times, fifty-seven percent of the LTA was dominated by hemlock mixed with white pine but relatively pure stands of hemlock occurred on another 13% of the landtype. Cedar swamps which occurred on very poorly drained inclusions with deep organic soils, occurred on 17% of the LTA.

Present Vegetation: Aspen forests, which were of minor importance in pre-settlement times, have replaced hemlock/white pine as the dominant cover type. Similarly, hardwood swamps, which were also very limited in pre-settlement times, have replaced cedar swamps on very poorly drained areas. This compartment, during the past 25 years, falls within an area of the county that has slowly demonstrated natural successional movement back toward the pre-settlement cover types. White Pine has become the dominant cover type in numerous stands during the past three entry periods. Diversity of cover types, within individual stands is much greater than indicated by stand "single type designations" – by both age class and species.

Wildlife Recommendations/Interests: Within the Gladwin Forest Area, interest in early forest successional wildlife species remains very high. Aspen maintenance should remain a priority in regards to management goals for this compartment, as this area has demonstrated the ability to produce high stem density reproduction, when cut at peak biological periods. Visual management, old growth, water influence zones, best management practices, interfacing private ownership, recent stand conversion and in-stand cover type diversity are all activities/events that function to reduce the volume and quality of aspen.

Besides the traditional early forest successional wildlife species, this compartment provides hunting and fishing habitat for Bald Eagles and actively nesting Northern Goshawks (relatively undisturbed areas of conifer cover). Habitat diversity provides an array of cover types which attracts the full spectrum of avian, aquatic and terrestrial wildlife species.

Mineral Resource and Development Concerns and/or Restrictions:

Surface sediments consist of lacustrine (lake) sand and gravel and lacustrine clay and silt. Glacial drift thickness varies between 100 and 200 feet. Beneath the glacial drift are the Pennsylvanian Grand River and Saginaw Formations. The Saginaw Formation is used for clay/shale in other areas of the State. The nearest gravel pit is in Section 16 and gravel potential in the compartment is considered good. This compartment has had sparse exploration for oil and gas. The nearest production is Butman Field, six miles to the west. It has produced more than 360,000 BO primarily from the Richfield. There are no leases in the compartment. Additional State minerals are located in the compartment.

No oil wells or pipelines in this compartment.

Vehicle Access:

Good county road access to this compartment. Limited two track access off county roads.

Survey Needs: None needed.

Recreational Facilities and Opportunities:

Good hunting and some fishing on Tittabawassee river.

Fire Protection:

Treatment Summary, November, 2007:

Within this compartment, stands, 31 and 50 have been identified by the Red Pine Project to be harvested. Stand 31 is to be clear cut and replanted to red pine, and stand 50 is to be clear cut and allowed to convert to aspen. They are to be put on the 2008 Plan of Work.

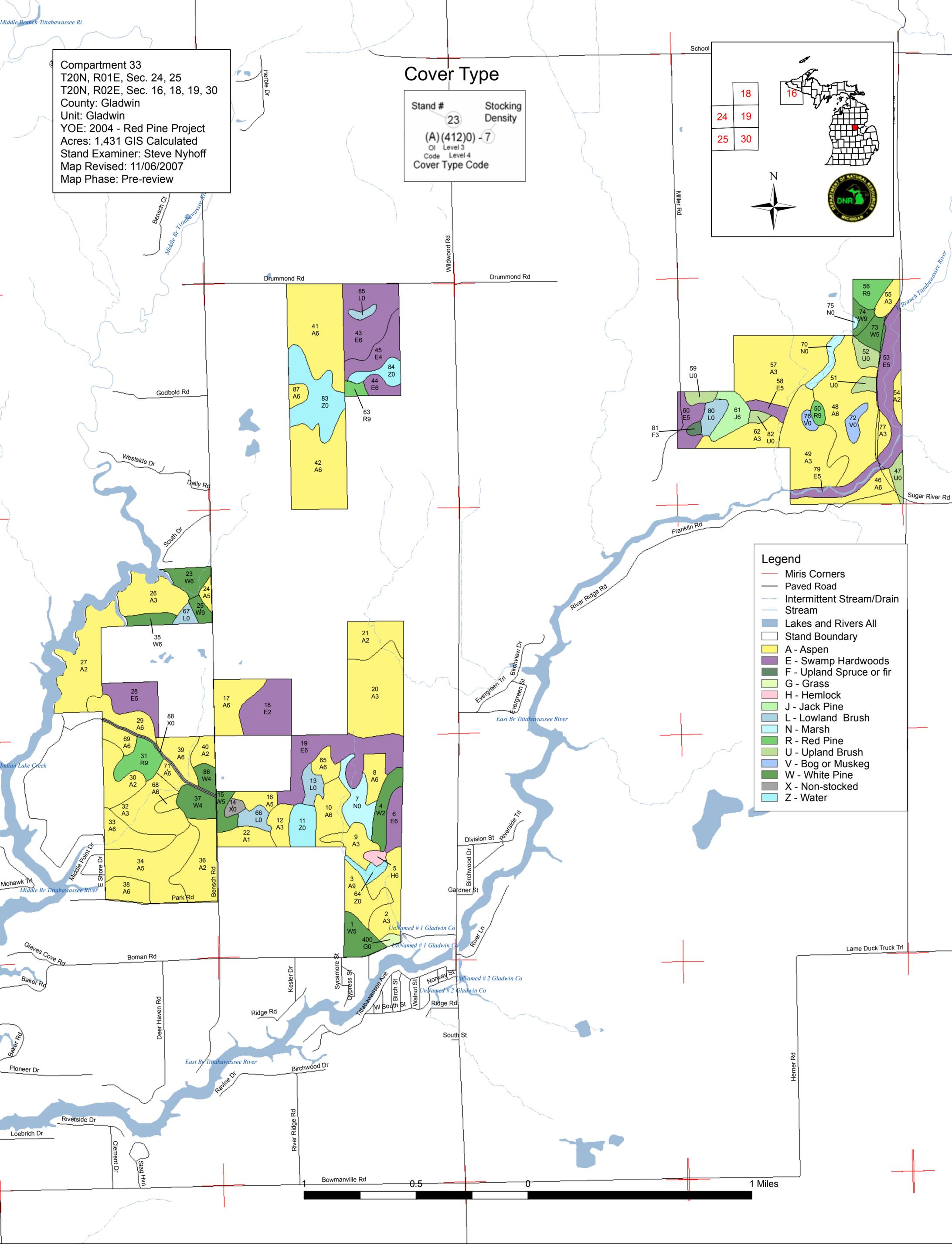
Stand	Cover Type	Acres	Age	Site Index	Mgt Obj	Condition	Method Cut	Harvest Priority	Cultural Need	FDI Status	
31	R9	16	77	57	red pine	immature	final harvest	1	planting		
comnts Fmd : Stand was identified in the Red Pine Project to be harvested. This stand should be replanted to red pine after harvested. Put on the 2008 POW											
50	R9	3	77	61	aspen (upland)	immature	final harvest	1	natural regeneration		
comnts Fmd : Stand was identified in the Red Pine Project to be harvested. Stand has aspen clones that are expected to regenerate the stand to a mix of aspen and pine. If stand does not regenerate naturally interplant red pine to bring it to full stocking. Put on the 2008 POW											
Total Acres.....		19									

Compartment 33
 T20N, R01E, Sec. 24, 25
 T20N, R02E, Sec. 16, 18, 19, 30
 County: Gladwin
 Unit: Gladwin
 YOE: 2004 - Red Pine Project
 Acres: 1,431 GIS Calculated
 Stand Examiner: Steve Nyhoff
 Map Revised: 11/06/2007
 Map Phase: Pre-review

Cover Type

Stand # 23
 Stacking Density
 (A) (412) 0 - 7
 OI Level 3
 Code Level 4
 Cover Type Code

18
24 19
25 30



Legend

- Miris Corners
- Paved Road
- Intermittent Stream/Drain
- Stream
- Lakes and Rivers All
- Stand Boundary
- A - Aspen
- E - Swamp Hardwoods
- F - Upland Spruce or fir
- G - Grass
- H - Hemlock
- J - Jack Pine
- L - Lowland Brush
- N - Marsh
- R - Red Pine
- U - Upland Brush
- V - Bog or Muskeg
- W - White Pine
- X - Non-stocked
- Z - Water

